

// **Versatile** engineer with more than a **decade** of achievements. Focused on researching, developing, testing, deploying and maintaining **optimal solutions** with peak **performance**. Solving short and long term problems while streamlining businesses' and consumers' workflows, learning and adapting to the market's latest cutting edge technologies, while balancing between **simplicity, minimalism, security, scalability** and **correctness**.

// JOB_EXPERIENCE (+13 years)

REDGATE — Senior Software Engineer

Aug 2026 — Present

Recently joined Redgate as a Senior Software Engineer, working within their database DevOps tooling product line based in Cambridge, UK.

EVENT HORIZON SOFTWARE LIMITED — Senior Software Engineer

Aug 2025 — Aug 2026

Working within the UK reinsurance and InsurTech sector, specifically supporting Flood Re, the government-backed flood reinsurance scheme. Designed, developed and delivered a high-performance bordereaux ingestion and validation system to manage complex insurance and financial datasets at scale. Delivering in Agile two-week sprints with regular stakeholder reviews, built robust ingestion pipelines processing millions of policies and financial transactions, with rigorous validation to meet FCA regulatory compliance standards. Integrated GitHub Copilot and Claude into daily engineering workflows, noticeably accelerating delivery pace and code quality across the team.

QGEMS ENERGY — Senior Software Engineer

Mar 2024 — Jun 2026

Working within the UK renewable energy and distributed energy resource market at a cleantech startup focused on virtual power plant operations and energy arbitrage. Led the engineering team in Agile Scrum with fortnightly sprints, sprint reviews and continuous stakeholder alignment. Delivered a smart energy cloud platform connecting domestic and commercial users, installers and grid operators. Championed Blazor adoption, clean architecture and SOLID principles to accelerate delivery. Enhanced CI/CD with Azure DevOps and drove AI innovation integrating ML.NET, LLAMA and OpenAI APIs to build intelligent energy forecasting and optimisation features. Used GitHub Copilot and Codex to streamline team output and reduce development overhead.

IDEANOMICS — Senior Software Engineer

Jan 2023 — Mar 2024

Working within the global electric vehicle and clean mobility industry, Ideanomics leads fleet electrification across the US, UK, Europe and the Middle East. Embedded within a large-scale Scrum team with two-week sprints and cross-functional ceremonies, leading technical delivery of telematics and fleet management microservices at scale. Trained team members in TDD and microservices architecture. Applied zero-knowledge security protocols, improved performance through local-first application design and automated infrastructure provisioning. Used GitHub Copilot and OpenAI Codex to keep the team moving at pace across a high-throughput real-time distributed platform.

FOCUS DIAGNOSTICS — Senior Full Stack Engineer

Dec 2018 — Jan 2023

Working within the in-vitro diagnostics and medical device manufacturing industry, collaborating with a multidisciplinary team of hardware, electronics and software engineers to research and develop coagulometers, chemistry and electrophoresis analysers. Delivered across iterative Agile sprint cycles with strict ISO 13485 traceability and medical compliance requirements, spanning desktop, web, backend and firmware development. Applying thorough engineering practices across each stack yielded comprehensive, highly available real-time solutions with measurable improvements in device throughput

and reliability.

TASHFIER — Full Stack Engineer

Jul 2013 — Dec 2018

Working as part of a digital services consultancy and software agency delivering products across healthcare, e-commerce, logistics and public sector verticals. Led and contributed to small, medium and large teams both on-premises and remotely across the Middle East and UK. A significant stepping stone into building professional, highly scalable software from scratch. Involved in backend, web and mobile development across a range of client engagements. Implemented social media intent processing algorithms yielding a 72% improvement in customer support agent efficiency.

// OTHER_EXPERIENCE (+3 months)

ASU — Full Stack Developer

Sep 2017 — Nov 2017

Collaborated with the dean of engineering department and ABET representatives to produce a paperless and automated system.

SAB — Tutor

Feb 2015 — Apr 2015

CEO of TASHFIER and I aided in teaching Syrian refugees in Amman, we taught mathematical and logical operations and introduced C syntax programming.

// TECHNICAL_SKILLS (+37)

technical: .NET C# · Azure · Blazor · CSS · Docker · EF · FluentValidation · GCP · Git · Globalisation & Localisation · HTML · Image Processing · JavaScript · Material UI Design · MAUI · Multithreading · MVC · Payment Integrations · Plotly · Postgres · QuestPDF · Signal Processing · SignalR · SQL Server · SQLite · Visualisation · Web API · XUnit

ai_ml: Agentic AI · Claude API · Codex · GitHub Copilot · LLaMA · MCP · ML.NET · Ollama · OpenAI API

// PERSONAL_SKILLS (+16)

personal: Accountable · Adaptable · Collaborative · Constructive · Creative · Critical Thinker · Decision Maker · Dependable · Helpful · Highly Achieved · Leader · Patient · Risk Calculator · Self Managed · Solver · Well Organised

// LANGUAGES (+2)

languages: English (Fluent) · Arabic (Native)

// EDUCATION (+5 years)

Microsoft Applied Skills, [Microsoft](#) (Apr 2025) · **MSc CS Merit,** [Newcastle University](#) (Sep 2018–Sep 2019) · **Training Certificate,** [Oracle Amman](#) (Jun 2017–Aug 2017) · **BEng (Honours 1st),** [Applied Science University](#) (Sep 2013–Sep 2017)

// PROJECTS (+9)

dGFlow — Led the development of an automated, high-performance compliance and validation system for transactional data within the reinsurance sector. Designed to handle large and complex datasets, the solution was integrated into existing data pipelines, enabling efficient processing and analysis of millions of policies and financial transactions.

QGEMS Energy — Designed and delivered software systems at QGEMS supporting an AI-driven distributed energy platform, focused on real-time data ingestion, processing and optimisation of energy assets. Built scalable solutions integrating data from microgrids and smart meters, enabling accurate monitoring, forecasting and control, improving operational efficiency, reducing costs and supporting data-driven decision-making across complex energy environments.

Braystones — Co-founded and built Braystones entirely from the ground up, a cutting-edge telematics platform developed in strategic partnership with Teltonika, a global leader in IoT and telematics hardware. Designed and delivered the full software stack from nothing, integrating directly with Teltonika's device ecosystem to enable real-time vehicle tracking, telemetry ingestion and fleet intelligence. Architected for scale with a focus on low-latency data pipelines, geospatial processing and actionable analytics, positioning Braystones as a modern and technically ambitious player in the connected vehicle and fleet management space.

Telematics Cloud — A large-scale greenfield EV telematics platform built within the clean mobility industry, covering electric cars, buses, motorbikes and tractors with private and public charging infrastructure. With 10,000 new devices onboarding annually across the US, UK, Europe and the Middle East, the platform was architected and grown from its earliest foundations into a production-grade distributed system. Developed and optimised high-scale data storage, microservices and real-time UI by working directly with hardware vendors to integrate diverse device protocols into Ideanomics' zero-knowledge secure cloud. GitHub Copilot and Codex were used throughout to maintain delivery pace across a complex and rapidly evolving codebase.

MultiLab — A laboratory smart device with a real-time minimalist responsive UI and remote control features. Implemented high security protocols and full traceability in line with medical industry requirements, alongside a highly efficient throughput and scheduling algorithm that increased sample test output by 66% whilst reducing processing consumption by 73% compared to earlier prototypes.

BFGSec — A self-initiated side project built entirely from scratch in collaboration with a trusted partner, operating within the private security and intelligence contracting sector. Identified a clear gap in secure document exchange for contractors working across multiple countries and jurisdictions, with no existing codebase and no blueprint to draw from. Researched, architected and delivered a bespoke end-to-end encrypted platform handling the private transaction of sensitive documents and information. Designed and deployed server-to-server communication protocols using the latest multilayer cryptography algorithms, ensuring confidentiality, integrity and authenticity throughout the system.

ABET Automated System — The Accreditation Board for Engineering and Technology is a standard built for academics to track, analyse and improve the progress and behaviour of lectures, students, courses and exams. Developed a set of prototypes targeting a paperless, automated and remotely accessible system, working closely with academics from Applied Sciences University in Jordan and the dean of Ohio University in the US.

Balance Cure — Balance Cure is a health and wellness company focused on treatments using natural ingredients, based in the United Arab Emirates with branches across several countries. Developed a system to help customer support agents efficiently browse and filter large databases, guiding them through the process of answering client enquiries accurately and quickly.

Khairat Khaleej Website — A newly founded branch of the company in Jordan required a website to showcase their latest technologies and testing standards for industrial applications. Delivered a clean, professional site to establish their digital presence and communicate their capabilities to prospective clients.

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